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ABSTRACT OF THE DISCLOSURE

A DNA expression construct for the treatment of infections with leishmania, as well as a corresponding vaccine. This vaccine serves to immunize against leishmaniasis, where in particular the immunogenic p36 LACK antigen is used to elicit an immune response. As a gene shuttle, a linear double stranded, covalently closed expression cassette is employed. The gene expression construct can be attached to an oligopeptide to increase transfection efficacy.